

1.



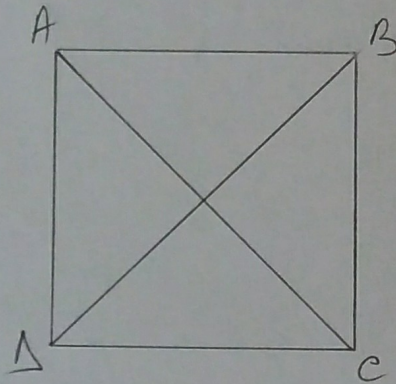
2. a) $[AB) = (AB]$ (F)

b) $(AB \cup (BA = AB$ (A)

c) $[AB] \setminus \{A, B\} = (AB)$ (A)

d) $[AB] \cap (AB) = \{A, B\}$ (F)

3.



$ABCD$ - pătrat

a) drepte paralele: $AB \parallel DC$; $AD \parallel BC$

b) drepte concurente: $AB \cap BC = \{B\}$; $AB \cap AD = \{A\}$;

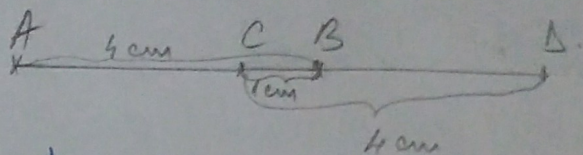
$BC \cap CD = \{C\}$; $BC \cap AC = \{C\}$

$CD \cap AD = \{D\}$; $CD \cap BD = \{D\}$

$AD \cap AB = \{A\}$; $AD \cap AC = \{A\}$

$AC \cap BD$

4.



$$C \in (AB) \quad ,$$

$$B \in (CD)$$

$$AB = 4 \text{ cm}$$

$$CB = 1 \text{ cm}$$

$$CD = 4 \text{ cm}$$

$$AC = AB - BC = 4 - 1 = 3 \text{ cm}$$

$$BD = CD - CB = 4 - 1 = 3 \text{ cm}$$

$$AD = AB + BD = 4 + 3 = 7 \text{ cm}$$